

Joel A. Masselink

Living in: Seattle, Washington

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INTRODUCTION

Joel Masselink is a Geospatial Specialist and Consultant with more than 10 years of experience supporting scientists, practitioners, and policymakers with geospatial data management, analysis, and visualization. Joel is currently seeking a role which uses his problem-solving experience and geospatial science skillset.

EDUCATION

Clark University MA, Geographic Information Science Worcester, MA; '09
Coursework in: GIS database development, advanced analysis, remote sensing, environmental change modeling

James Madison University BS, Geographic Science Harrisonburg, VA; '05

WORK EXPERIENCE

Vulcan, Inc. GIS Developer, Impact Engineering Seattle, WA; Summer '15 – Spring '18

- Contributed geospatial data processing and visualization to software engineering projects.
- Built workflows to compile vector data using private and open data (OpenStreetMap).
- Provided data quality assurance, management, and mapping for large-scale wildlife surveys.

Earth Logic, LLC Founder & Principal Seattle, WA; Winter '14 – Summer '15

- Provided geospatial data management, analysis, and visualization solutions for clients in the environmental, natural resources, and international development sectors.
- Clients: World Wildlife Fund (WWF), Wildlife Conservation Society, World Resources Institute, Cascadia Archaeology, Earth Economics, Forterra

Wildlife Conservation Society GIS Coordinator Democratic Republic of Congo; Summer '09 – Summer '13

- Managed and analyzed spatial data for land-use planning and wildlife monitoring activities.
- Built capacity for field projects to implement GIS through training, mentoring, and project management.
- Conducted land-cover mapping, land-change assessment, and species distribution modeling.
- Developed maps, reports, factsheets, and proposals for internal use, partners, and donors.

USAID GIS Intern Democratic Republic of Congo; Summer '08

- Designed landscape maps for Congo Basin Forest Partnership publication, State of the Forest 2008

NAEVA Geophysics GIS Specialist / Database Manager Charlottesville, VA; Winter '06 – Summer '07

- Managed target databases and provided GIS support for geophysical surveying projects

SKILL SUMMARY

- Geoprocessing using GDAL/OGR commands, Python, ArcPy, and ModelBuilder
- Familiarity with authoritative public domain and open geospatial datasets (OpenStreetMap)
- Geospatial database management (PostGIS, Esri ArcGIS Server)
- Analytical techniques using geostatistics and image processing techniques (ENVI, Earth Engine)
- Cartography using Mapbox Studio vector styling and desktop platforms (ArcMap, QGIS)
- Collaborative software engineering and version control systems (Git/GitHub, SVN)
- Experienced GIS software trainer and MissingMaps mapathon facilitator
- Strong written and oral communication skills

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PEER-REVIEWED PUBLICATION

Hickey, J., J. Nackoney, N. Nibbelink, S. Blake, A. Bonyenge, S. Coxe, J. Dupain, M. Emetsu, T. Furuichi, F. Grossman, P. Guislain, J. Hart, C. Hashimoto, B. Ikembelo, O. Ilambu, B. Inogwabini, I. Liengola, A. Lokasola, A. Lushimba, F. Maisels, **J. Masselink**, et al. 2013. Human proximity and habitat fragmentation are key drivers of the rangewide bonobo distribution. *Biodiversity and Conservation*. Vol. 22, Issue 13, p.3085-3104.

CONTRIBUTOR TO PUBLICATION

International Union for Conservation of Nature Species Survival Commission (IUCN/SSC) Primate Specialist Group & *Institut Congolais pour la Conservation de la Nature* (ICCN). 2012. Bonobo (*Pan paniscus*): Conservation Strategy 2012–2022. Gland, Switzerland: p.65

CONSULTANCIES

Masselink, J., and O. Bengle. 2015. Spatial Data Assessment of Large Scale Infrastructure in the Lower Mekong Region. Earth Logic consultancy with Wildlife Conservation Society. Mekong Partnership for the Environment, USAID.

Masselink, J. 2015. Standardizing Large Mammal Surveys to the SMART-Ecological Records Data Model for Central Africa. Earth Logic consultancy with World Resources Institute.

Masselink, J. 2014/15. Cartography of DRC Protected Area network. Earth Logic consultancy with World Wildlife Fund / PARAP (Protected Area System Assessment in the Democratic Republic of Congo).

ADVISORY BOARD MEMBERSHIP / VOLUNTEERING

Tusubira	Treasurer & Board member	Seattle, WA; Winter '14 – present
Ushahidi deployment	Technical support to activists	Seattle, WA; Spring '17 – present
State of the Map Conference	Volunteer coordinator	Seattle, WA; Summer '16
Water supply engineering	GIS support	Uganda, Summer-Fall '05

PROFESSIONAL ASSOCIATION MEMBERSHIP

- Global Washington - Ambassador
- OpenStreetMap US
- OpenStreetMap Foundation
- Society for Conservation GIS

GEOGRAPHIC EXPERIENCE

- United States, Democratic Republic of Congo, Uganda, Philippines

LANGUAGES

- French proficiency
- Basic Luganda, Spanish, and Swahili